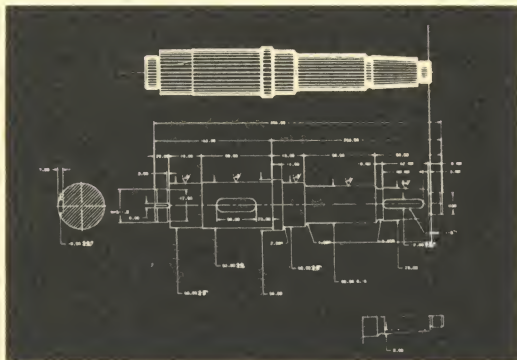


SERIES II APPLICATIONS

Interactive Graphics Terminal



ANVIL-4000™ Design, Drafting and Manufacturing Software System

IMLAC Corporation is pleased to add ANVIL-4000™, the enhanced replacement for the internationally known AD-2000® software package, to the list of major CAD/CAM software systems which support the IMLAC SERIES II intelligent, interactive terminals.

ANVIL-4000, marketed by Manufacturing and Consulting Services, Inc., is a computer-independent Design, Drafting and Manufacturing system which allows the user to select a computer in the price and performance range which best matches his requirements. Now, the ANVIL-4000 user can specify the powerful, low-cost IMLAC Series II interactive display terminal and options and be using ANVIL-4000 productively in the shortest possible time. Since the Series II is a high resolution, refreshed terminal with built-in processors and memory, it is a perfect match for the graphic interactive procedures available in the ANVIL package. These procedures convert the IMLAC terminal into an easy-to-use "drawing board" on which the user can display his designs in a simple and efficient way. ANVIL's automatic procedures include scaling, zooming, mirroring, translation, duplication and rotation. These features, combined with the dynamic response of the Series II, insure maximum productivity when a user is actually operating the terminal.

IMLAC Series II and ANVIL-4000 — A Productive Combination

ANVIL is a completely integrated Design, Management Information and Manufacturing software system. For a user to realize the full potential of his ANVIL installation, whether on a dedicated minicomputer or on a remote hook-up to a large main-

frame, he must have a graphics terminal that optimizes the man-computer communications path. IMLAC Series II terminals are designed specifically to support and greatly facilitate CAD/CAM man-machine interaction.

Fast Response and Interaction

The IMLAC Series II is a stroke-refresh graphics terminal with a built-in terminal processor and display processor. ANVIL transmits coded and structured picture instructions to the IMLAC terminal where they are stored and executed locally. All pertinent menus used to control the operation of ANVIL are stored at the terminal so response to menu

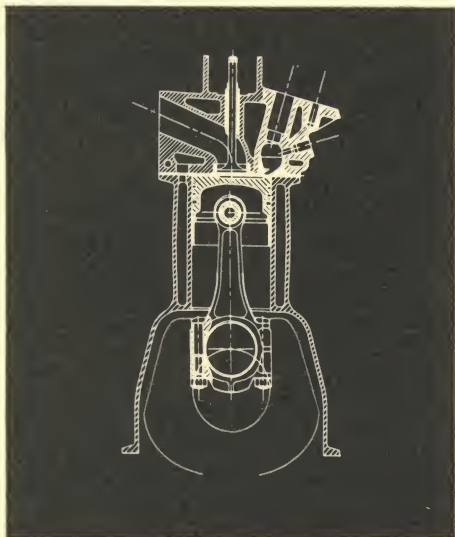
selection is immediate.

Speed of interaction is greater in the IMLAC terminal because a structured picture data base is stored in the Series II. Graphic elements or portions of pictures can be selectively "dragged" and repositioned on the screen with no host interaction. Elements can also be blanked and unblanked without host retransmission.

continued

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ANVIL-4000 is a trademark and AD-2000 is a registered trademark of Manufacturing and Consulting Services, Inc.



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Terminal Ergonomics

A most important consideration in selecting a terminal for use with the ANVIL CAD/CAM package is its ease-of-use and the support it provides operators.

Picture Clarity is excellent with the IMLAC 2048 x 2048 addressability and bright, high-contrast image that provides an accurate, easy-to-understand display of designs stored in the ANVIL database.

Operator Interface permits the operator to work with a natural input device such as a light pen or data tablet. In addition, he can interact with the convenient, 92-key keyboard which includes specific ANVIL functions assigned to lighted function keys.

Local Hardcopy is obtained with the push of a function button on the Series II keyboard. This initiates hardcopy print-out of the ANVIL display on either a Tektronix 4631 or Versatec V-80 hardcopy unit located right next to the IMLAC terminal.

Small Size and Light Weight of the IMLAC terminal permit it to be easily located anywhere. And moved easily. Series II is the first high-performance, stroke display built into a compact, table-top enclosure. Its state-of-the-art design and high reliability components insure users of consistently dependable service.

Reduced Host Burden/ Improved ANVIL Performance

ANVIL operates on a variety of computers ranging from small minicomputers to 60 bit models and under standard operating systems. Whether you interface an IMLAC Series II terminal to these computers at dial-up speeds or at 9600 baud over a direct RS-232 interface, you will experience improved performance and significantly reduced host burden compared with con-

ventional storage-tube type terminals.

With the advantages of local terminal processing and memory, improved response, picture clarity and reduced host burden, the IMLAC Series II offers the best and most cost-effective solution for interfacing to a number of such powerful CAD/CAM software packages.

Our SERIES II Terminals Increase Your Design Productivity with:

Local Intelligence

- Central Terminal Processor
Intel 8086, 64K bytes RAM
- Terminal Control Program and
Terminal Self-Test stored in EPROM
- Serial Asynchronous I/O (RS-232)
switch selectable up to 9600 baud

Display Clarity

- 2048 x 2048 Addressable Locations,
Analog Vectors
- 19-inch diagonal CRT with 11 inch
square viewing area

- 30:1 Contrast Ratio with nominal
screen brightness of 30 foot
lamberts
- Hardware blink, 16 intensity levels,
8 line types

Improved Response/ Reduced Host Burden

- Menu storage and selection in
terminal
- Segmented pictures stored in
terminal eliminate image repaint
- Optional light pen or tablet pointing
device serviced by terminal program